FLAT TV

SEE EVERY THING   EXPERIENCE EVERY THING

PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

* Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

* Product Safety Notification

By registering your product you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

* Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to
protection by one of the most comprehensive warranties and outstanding service networks in the industry.
What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these
safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION : Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use
Enter below the Serial No., which is located on the rear of the cabinet. Retain this information for future reference.
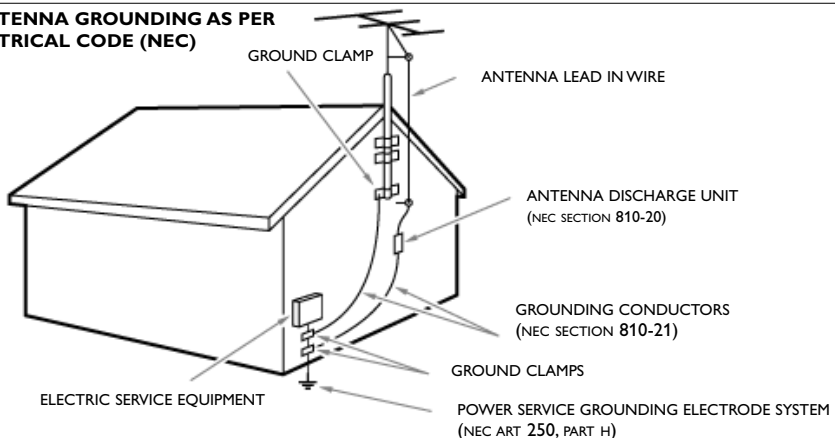
Model No. _____
Serial No. _____

IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. This product may contain lead or mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.

16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
   A. The power supply cord or the plug has been damaged; or

   B. Objects have fallen, or liquid has been spilled into the appliance; or
   C. The appliance has been exposed to rain; or
   D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
   E. The appliance has been dropped, or the enclosure damaged.

17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
   • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
   • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.

18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

19. **Power Lines** - An outdoor antenna should be located away from power lines.

20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.

21. **Objects and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
   a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases should not be placed on this apparatus.

22. **Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
   • Install all batteries correctly, with + and - alignment as marked on the unit.
   • Do not mix batteries (old and new or carbon and alkaline, etc.)
   • Remove batteries when the unit is not used for a long time.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE (NEC)

GROUND CLAMP

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT
(NEC SECTION 810-20)

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE EQUIPMENT

POWER SERVICE GROUNDING ELECTRODE SYSTEM
(NEC ART 250, PART H)

Note to the CATV system installer: this reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Help?

If this instruction manual does not give an answer or if 'Tips' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet.
Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

Model: 30PF9946/37; 37/42PF9936/37   Product No:

Care of the screen

Do not touch, push or rub or strike the screen with anything hard as this may scratch, mar or damage the screen permanently. Do not rub with dust clothes with chemical treatment. Do not touch the surface with bare hands or greasy cloth (some cosmetics are detrimental to the screen). Unplug the TV before cleaning the screen. When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaks. Do not use acetone, toluene and alcohol because they cause chemical damage.
Do not use liquid cleaners or aerosol cleaners. Wipe off saliva or water drops as soon as possible. Their long time contact with the screen causes deformations and colour fading.

Warning concerning stationary images on the TV screen

A characteristic of Plasma Display Panels is that displaying the same image for a long time can cause a permanent after-image to remain on the screen. This is called phosphor burn in.
Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen.

Preparation

❶ **Wall mounting instructions/Table stand**
How to mount the supplied stand and/or wall mount bracket, see the supplied separate leaflet. Make sure that the wall mount is being fixed securely enough so that it meets safety standards.
The weight of the TV (excl. packaging) is about 40 Lbs (30PF9946); 66 Lbs (37PF9946); 92 Lbs (42PF9946).
Note: Other (not supplied) stands are optional accessories. Consult your dealer.

❷ Make sure that air can circulate freely through the ventilation slots.
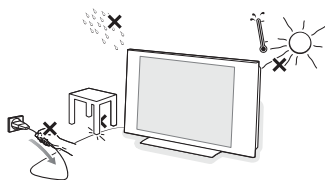
To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing.

❸ Insert the aerial plug firmly into the aerial socket ⊓⌐ at the bottom of the TV. For best picture quality use the suppressor-aerial cable supplied.

❹ Insert the power plug supplied into the mains at the bottom of the TV and in the wall socket having a mains voltage of 96-140V.
To prevent damaging the power (AC) cord which could cause a fire or electric shock, do not place the TV on the cord.

❺ **Remote control**: Insert the 2 batteries supplied (Type R6-1,5V).
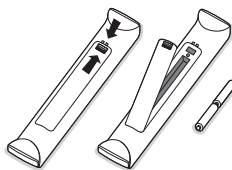
The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose of exhausted batteries according to local regulations.

❻ **Turn the TV on** : Press the power switch ⏻ at the right side of the TV.
An indicator on the front of the TV lights up. Press the **-P+** keys or the ⏻ key on the remote control.

1

To use the menus

❶ Press the **MENU** button on the remote control to summon the main menu. At any moment you can exit the menu by pressing the **MENU** button again.

❷ Use the cursor up/down to select **Picture**, **Sound**, **Features**, **Install** or **Mode**.

❸ Use the cursor in the right direction to select the menu item.

❹ Use the cursor up/down again to select the control you want to select or to adjust.

❺ Press the **OK** button to activate.

Note: Items temporary not available or not relevant are displayed in a light grey color and cannot be selected.

TV menu

TV Menu

Picture ▶	Brightness
Sound	Color
Features	Picture
Install	Sharpness
Mode	Tint
	Color Temp

Picture

Brightness ▶	◀━━━━●━━━▶
Color	
Picture	
Sharpness	
Tint	
Color Temp	

Sound

Equalizer ▶	120 Hz
Balance	500 Hz
AVL	1500 Hz
Dolby Virtual	....
SAP	
Sound	

Features

Timer ▶	Time
AutoLock	Start Time
Contrast+	Stop Time
DNR	Channel No
PIP	Activate
	Display

Picture menu:
- **Brightness**: this changes picture brilliance.
- **Color**: this changes the intensity of the color.
- **Picture**: this improves the detail of the lightest parts of the picture.
- **Sharpness**: this changes the picture definition.
- **Tint**: this adjusts the picture to obtain natural skintones.
- **Color Temp**: this changes the color rendering: **Cool** (bluer), **Normal** (balanced) or **Warm** (redder).

Sound menu:
- **Equalizer**: to adjust the sound tone (from bass 120 Hz to treble 10 kHz).
- **Balance**: this balances the sound on the left and right speakers.
- **AVL** (Automatic Volume Leveller): this is used to limit increases in sound, especially on program change or advertising slots.
- **Dolby Virtual**: simulates the surround sound experience from 2 speakers using Dolby Pro Logic* providing the listener with the sensation of being surrounded by additional speakers.
- **SAP**: is an additional part of the stereo broadcast system; Sent as a third audio channel, an SAP can be heard apart from the current TV program sound. TV channels are free to use SAP for any number of purposes. (Not available if not present with a selected program).
- **Sound**: this allows you to toggle between **Stereo** or **Mono** sound (if stereo is present on a selected TV program).

Features menu:
- **Timer**, **AutoLock** and **PIP**: see p. 10-13.
- **Contrast+**: automatic adjustment of the picture contrast which permanently sets the darkest part of the picture to black.
- **DNR**: attenuates picture noise (snow) in difficult reception conditions.

How to search for TV channels

```
 TV Menu
─────────────────────────

   Picture       Language
   Sound         Tuner Mode
   Features      Auto Program
   Install ▶     Channel edit
   Mode
```

If you want to re-install your TV proceed as follows:

❶ Press the **MENU** button on the remote control.

❷ Use the cursor up/down to select **Install**.

❸ Press the cursor right to enter the Install menu.

Select the menu language

❶ Use the cursor left/right.

❷ Press the cursor up/down to select your language.

Select the Tuner mode

Allows you to change the TV's signal input to cable, antenna or auto mode. The auto mode setting helps the TV determine the type of signal or channels being received when auto program is activated.

❶ Select **Tuner Mode** in the Install menu.

❷ Press the cursor right.
*Note: It is recommended to keep the predefined **Automatic** way of autoprogramming. In case of difficulties in autoprogramming with the automatic method, choose for Antenna or Cable whether antenna or cable signals are present.*

When **Auto** is selected, the TV will automatically detect whether or not cable signal input is present.
When **Antenna** is selected, the TV will detect antenna signals and will search for all antenna TV channels available in your local area.
When **Cable** is selected, the TV will detect cable signals and will search for all cable TV channels available in your local area.

Store TV channels

Auto Program

```
 Auto Program
─────────────────────────

Channel  ..........

        ▲
   ◀────●────▶
        ▼
```

❶ Select **Auto Program** in the Install menu.
Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features, AutoLock, p. 11.)

❷ Press the cursor right.
The autostore option label **Start ?** appears.

❸ Press the cursor right.

❹ The progress of autoprogramming is displayed.

Editing of channels

```
 Channel Edit
─────────────────────────

Channel ▶
Skipped      On/Off
```

This feature allows you to edit or skip channels from the channel list which have bad of weak signals or channels which you do not watch often.
Note: Once a channel is skipped, you cannot select it with the -P+ button; you can only access the channel with the digit buttons.

❶ Select **Channel Edit** in the Install menu;

❷ Press the cursor right to enter the channel list.

❸ Select the channel you want to skip with the cursor left/right.

❹ Press the cursor down.
Select **On** or **Off**.

❺ Press the cursor up/down to select another channel and repeat steps ❸ - ❹.

❻ Press the **MENU** button to return to the Install menu.
Note: To add back channels to the list, repeat steps ❶ to ❹.

Use of the remote control RC4334

Note: For most buttons pressing a button once will activate the function. Pressing a second time will de-activate it.
Remark: in VGA mode only some buttons are valid.

VCR DVD TV SAT AMP

Press the **SELECT** button repeatedly to select one of the system modes in which the remote control can be used. If no action is being undertaken within 2 seconds, the remote control returns to TV mode. After an action in the selected system mode the remote control will remain in this mode for 60 seconds and will then return to TV mode.

INFO   Display information

To display the channel number, the name (if it exists), the time, the sound mode and the time remaining on the timer.
Press again to display the ratings selected. The volume level and the smart control adjustments are then displayed each time they are used.

● II ◀◀ ■ ▶ ▶▶
Audio and Video equipment buttons.

TV / PC
Press one of these buttons to switch the television between TV or PC mode.

SURR   Sound mode

Incredible surround

With stereo transmission, and when Incredible surround is selected, it seems as though the loudspeakers are spread further apart from one another.

Virtual Dolby Surround

Optimal with Dolby surround * signals. Enables you to experience the effect of Dolby Surround Pro Logic, reproducing a rear sound effect. See Sound menu, Dolby Virtual p. 2.
Note: You can make the same selection in the Sound menu, Dolby Virtual, p. 2.

HD   Press this button to use the remote control directly in the HD mode for HD devices (eg. Set Top box).
Press 1x for **HD-A** mode,
press 2x for **HD-D** mode.
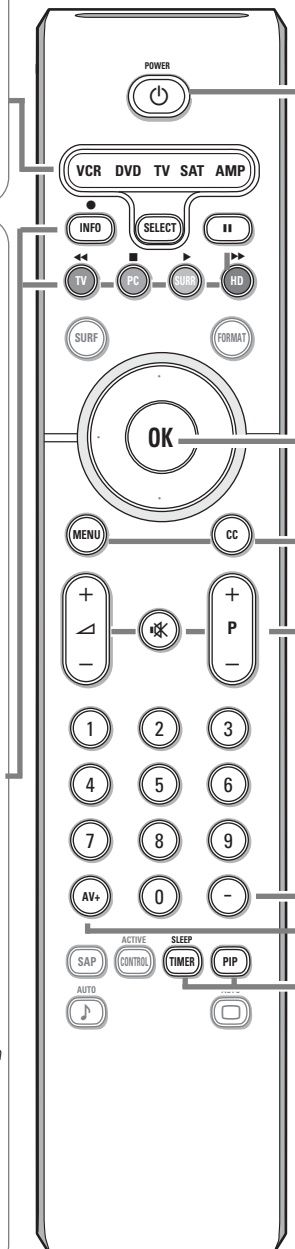
POWER ⏻

Press to turn the TV on or off.
The TV is never powered off completely unless it is physically unplugged.

OK   Press this button to display the program list or to activate your choice or to confirm when in the menus.

MENU   Main menu on/off. See p. 2.

CC Closed Caption
On/Off/On during mute

◿ To adjust the volume.

◼️ Interrupt the sound or restore it.

P   Channel selection
To browse through the TV channels or sources stored.

0/9 Digit buttons
To select a TV channel.
For a two digit program number, enter the second digit before the dash disappears. To switch immediately to a selected one digit TV channel, keep the digit button pressed a bit longer.

AV+ To select connected devices, see p. 9.

- To type the digital seperator for digital channels.

SLEEP TIMER
To select the length of time before the set automatically turns off (from 15 to 240 minutes).

PIP   When in VGA or HDMI Mode, pressing the **PIP** button will bring up a smaller second window within your main screen enabling you to watch a TV channel and a picture from a device connected to **AV3**, at the same time.

* Manufactured under license from Dolby Laboratories.
'Dolby' 'Pro Logic' and the double-D symbol are trademarks of Dolby Laboratories.

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SURF

With this feature you can easily switch between different TV channels/sources that currently interest you.
Press the **SURF** button. A list appears at the left side of the screen. On top, the most recently channel is displayed.
Press cursor up/down to immediately select the desired TV channel or source of the list.
To add a new channel or source to the 8 channels list: tune to the channel or source you wish to add.
Press the **SURF** button. Press the cursor right to add.
If there are already eight channels/sources in the list, the one at the bottom of the list will be removed.
To remove a channel or source: select the channel number you want to remove.
Press the **SURF** button. Press the cursor right to remove.
Press the **SURF** button or wait for the time out to dismiss the Surf display.

FORMAT

Press this button to summon a list of available display formats for showing video images in the traditional 4:3 proportions.
Press this button repeatedly or press the cursor left/right to select another picture format: Super Zoom, 4:3, Zoom 14:9, Zoom 16:9, Subtitle Zoom, Fullscreen or Widescreen *(30PF9946 only)*.

| **Super Zoom** | **4:3** | **Zoom 14:9** | **Zoom 16:9** |

| **Subtitle Zoom** | **Fullscreen** | **Widescreen** *(30PF9946 only)* |
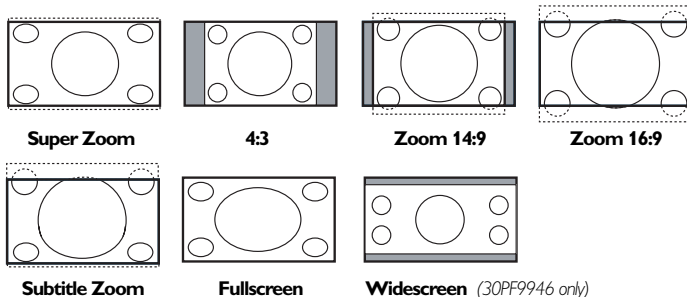
Super Zoom removes the black bars on the sides of 4:3 programs with minimal distortion.

*Note: in HDMI mode press the **FORMAT** button to switch between a 16:9 or a Wide screen picture format.*

SAP   When you tune a channel where SAP (Second Audio Program) is available, you can toggle between **Main** and **SAP**. If not available only **Main** can be selected.

ACTIVE CONTROL   On/Off/On with Sensor
Optimizes the quality of the picture according to the quality of reception.

♪ ▢ Auto Sound/Picture

To select predefined picture and sound settings.
Personal refers to the personal preference settings selected in the sound and picture menu.
Note: This Philips TV has been set at the factory to look best in bright store environments which use fluorescent lighting. As your home will likely not be as well lit as a store, we recommend you that you cycle through the various Smart picture modes to find the one that best suits your own viewing conditions.

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Buttons on top of the TV
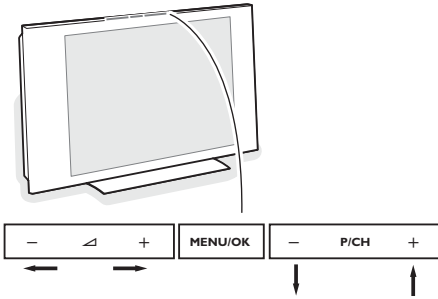
Should your remote be lost or broken you can still change some of the basic settings with the buttons on top of your TV.

Press:
• the **-** ⊿ **+** button to adjust the volume;
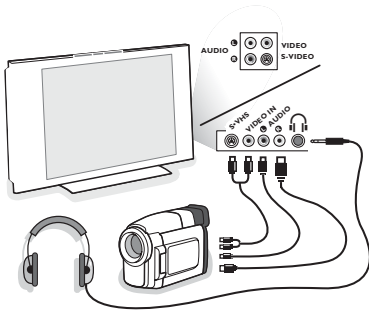• the **- P/CH +** button to select the TV channels or sources.

Press the **MENU/OK** button to summon the main menu without the remote control.

Use:
• the ⊿ **+** button and the **- P/CH +** button to select menu items in the directions as shown;
• the **MENU/OK** button to confirm your selection.

Press the **MENU/OK** button again to turn off the menu.

| − | ⊿ | + | MENU/OK | − | P/CH | + |

Camcorder, video games, headphone

Camera, Game or Camcorder

❶ Connect your camera, game or camcorder as shown.

❷ Connect to **VIDEO** ② and **AUDIO L** ③ for mono equipment. For stereo equipment also connect **AUDIO R** ③.
S-VHS quality with an S-VHS camcorder is obtained by connecting the S-VHS cables with the **S-VIDEO** input ① and **AUDIO** inputs ③.
Do not connect cable ① and ② at the same time. This may cause picture distortion !

Headphone *(only for 30PF9946)*

❶ Insert the plug into the headphone socket ⌂ as shown.

❷ Press 🔇 on the remote control to turn off the internal loudspeakers of the TV.
The headphone impedance must be between 8 and 4000 Ohm. The headphone socket has a 3.5 mm jack.

Rear connections

There is a wide range of audio and video devices that can be connected to your TV. The following connection diagrams show you how to connect them to the TV.

AV1 can handle YPbPr and CVBS; AV2 CVBS and Y/C; AV3 HDMI and VGA - VGA can handle VGA, SVGA (and if 30PF9946 also XGA) and 480p, 576p, 720p and 1080i.
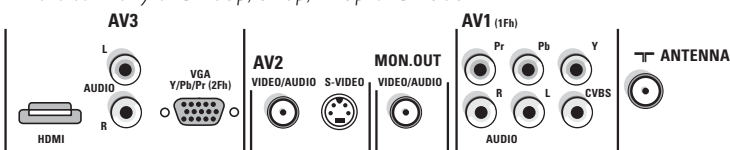
Recorder (VCR-DVD+RW)

Note: Do not place your recorder too close to the screen as some recorders may be susceptible for signals from the display. Keep a minimum distance of 20" from the screen.
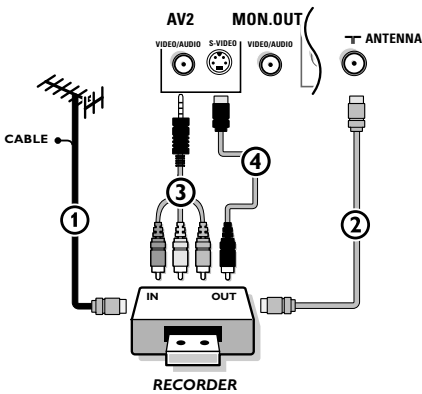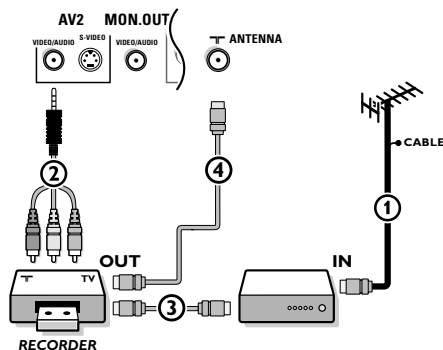
❶ Connect the RF Antenna or Cable TV cable ① (eventually via an optional two-way signal splitter and/or Cable TV convertor box) to the **RF IN** socket of your recorder.

❷ Connect another RF cable ② from the output **OUT** of your recorder to the TV's input ⊤⊤ **ANTENNA** jack.

❸ Connect the supplied adapter cable mini-jack to cinch ③ to the **VIDEO/AUDIO** input jack of **AV2**.

If your recorder has an S-VHS video jack:

For improved picture quality, connect an S-video cable ④ with the **S-VIDEO** input.
S-VHS does not provide audio, so the mini-jack to cinch cable must still be connected to provide sound.

Recorder and other A/V devices

❶ Connect the RF Antenna or Cable TV cable ① to the **RF IN** socket of your other A/V device.

❷ Connect the supplied adapter cable mini-jack to cinch ② to the **VIDEO/AUDIO** input jack of **AV2**.

❸ Connect the RF output of the A/V device to the RF input on the recorder ③.

❹ Connect another RF cable ④ from the output **OUT** of your recorder to the TV's input ⊤⊤ **ANTENNA** jack.

If your recorder has an S-VHS video jack: see above.

The **MON. OUT** connector can be used for a daisy chaining or to record programs from your TV. Only when a recorder is connected to **MON. OUT** it is possible to record a program from other devices connected to the TV.
See Record with your recorder, p. 15.

Devices with Component Video Output Connectors (YPbPr)
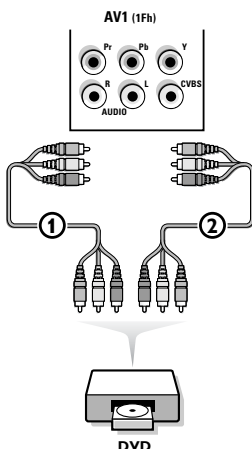
❶ Connect the three separate component video cables ① to the device having component video outputs (YPbPr), such as DVD-players, laser-disc players, videogame players, satellite receivers, or other equipment and to the **Y**, **Pb** and **Pr** jacks of **AV1** on the TV.

❷ Connect the audio cable ② to the device's **AUDIO L** and **R** jacks and to the **L** and **R** audio **YPbPr** jacks of **AV1**.

❸ For reproduction of CVI (Component Video Input) also connect to the **CVBS** jack of **AV1**. See the handbook of your DVD player.
Note: the labels for the component video sockets may differ depending on the DVD player or the device connected. Although the abbreviations may vary the letters B and R stand for blue and red component signals, respectively, and Y indicates the luminance signal. Refer to the DVD player's or device's instructions for use for definitions and connection details.

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Devices with Progressive scan output (e.g. a digital Set Top box, a video game console or Progressive scan DVD player (480p, 576p, 720p or 1080i)
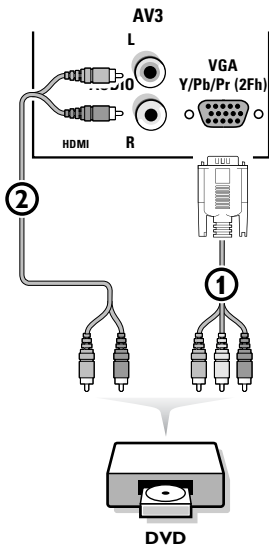
Connect the device with **2Fh YPbPr** output to the **VGA** connector ① (with the supplied adapter cable VGA to cinch) and to the **L** and **R AUDIO** jacks ② of **AV3**.
See also the manual of your High Definition device.

Note: This television is designed to accept high definition signal standards 480p, 576p, 720p and 1080i as specified by the Electronic Industries Association standard EIA770.3.
Digital devices from different manufacturers have the possibility of differing output standards which may cause difficulties for the television to properly display.

Warning: In case you notice scrolling images, wrong colors or no colour, no picture, or even combinations of these on your screen, check if the connections are done in the correct way or move your digital device further away from your TV.

Connect your computer
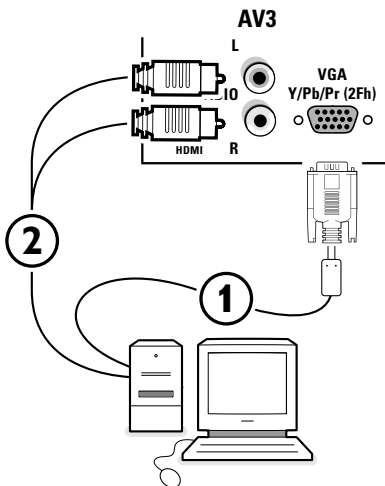
You may connect your computer to the **VGA** connector of **AV3** or to the **HDMI** connector (see further).

❶ Connect one end of a VGA cable ① to the video card of the computer and the other end to the **VGA Y/Pb/Pr 2Fh** ① connector at the bottom of the TV.
Fix the connectors firmly with the screws on the plug.

❷ In case of a Multimedia computer, connect the audio cable ② to the audio outputs of your Multimedia computer and to the **AUDIO R** (right) and **L** (left) inputs.

The **VGA** connector allows the following TV and monitor display modes:

VGA	640 x 480	60 Hz
SVGA	800 x 600	60 Hz
XGA	1024 x 768	60 Hz *(30PF9946 only)*

Note:
If possible, use the XGA1024x768@60Hz video mode to obtain the best image quality for your 30PF9946 LCD monitor.

HDMI (High Definition Multimedia Interface) connector

AV3

L

AUDIO

R
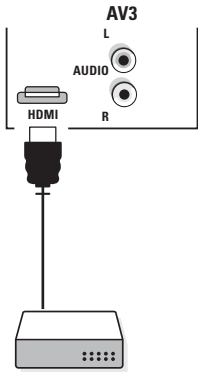
HDMI

HDMI is the leading new standard for Digital High Definition video and audio interconnection. Eg. with a Digital Set top box, with HDMI-equipped devices like a DVD-R, AV receiver...

*Note: The HDMI connector does **NOT** support DVI devices with analogue audio.*

The **HDMI** connector allows
- the following TV and monitor display modes:

|		
EDTV	640/720 x 480p	
	720 x 576p	
HDTV	1920 x1080i	
VGA	640 x 480	60 Hz
SVGA	800 x 600	60 Hz
XGA	1024 x 768	60 Hz

- uncompressed HD content
- encrypted or non encrypted signals.

Connect the digital HDMI output of your HD device (e.g. DVD player, Set Top Box..) to the **HDMI** connector of your TV.

Notes:
- Proper working is only guaranteed with HDMI compliant consumer products.
- Digital devices from different manufacturers have the possibility of differing output standards which may cause difficulties for the television to properly display;
- If the set is cold, there may be a small "flicker" when the set is turned on. This is normal, there is nothing wrong with the set.
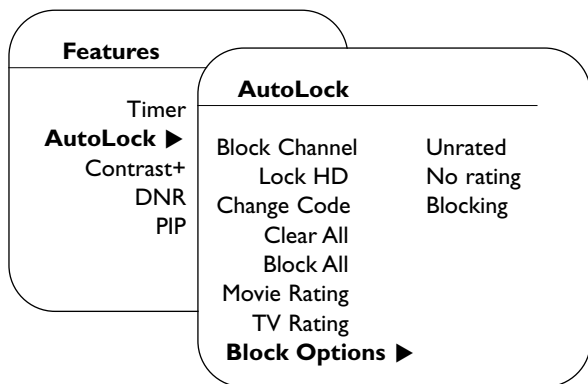
To select connected devices

AV+

8

AV+   0   –

SAP   ACTIVE CONTROL   SLEEP TIMER   PIP

AUTO ♪   AUTO ▭
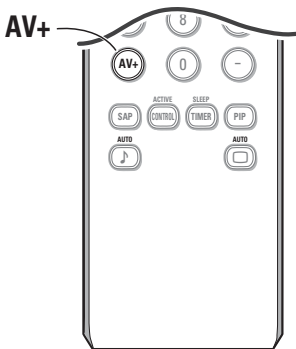
According to where you connected the accessory devices, press
• **AV+** followed by digit '**1**' to select **AV1**
• **AV+** followed by digit '**2**' to select **AV2**
• **AV+** followed by digit '**3**' to select **REAR** for a device connected to the rear or to the side (according to the type of TV you've purchased), see p. 6
• **AV+** followed by digit '**4**' to select **HD-A** for a HD-A device connected to **AV3**, see p. 8
• **AV+** followed by digit '**4**' again to select **HD-D** for a HD-D device connected to **AV3**, see p. 9
• **AV+** followed by digit '**5**' to select **PC-A** for a PC connected to **AV3**, see p. 8
• **AV**+ followed bij digit '**1**' and followed by **P+** to select **CVI**.

*Note: When in HD or PC mode, first press the **TV** button to return to TV mode or to select **AV1**, **AV2** or **REAR** again.*

Features

Timer
AutoLock ▶
Contrast+
DNR
PIP

AutoLock

Block Channel	Unrated
Lock HD	No rating
Change Code	Blocking
Clear All	
Block All	
Movie Rating	
TV Rating	
Block Options ▶	

Timer

This menu lets you use the TV set as an alarm.

1 Press the **MENU** button.

2 With the cursor, select **Features**, then **Timer**.

3 **Time**: enter the current time with the digit buttons.
Use the cursor left/right to select and to toggle AM or PM.

4 **Start Time**: enter the start time.

5 **Stop Time**: enter the standby time.

6 **Channel No**: enter the number of the channel for the wake-up alarm.

7 **Activate**: the settings include:
• **Once** for a single alarm;
• **Daily** for each day,
• **Off** to cancel.

8 **Display**: press the cursor right to select On or Off, according to if you want to display the current time on the TV screen or not.

9 Press the ⏻ button on the remote control to put the TV set in standby. It will automatically come on at the time programmed. If you leave the TV set on, it will just change programs at the time entered (and will go to standby mode at the Stop Time).
Note: by combining the AutoLock and Timer functions, you can restrict the period during which the TV set is used, for example by your children.

AutoLock

The AutoLock feature receives and processes data sent by broadcasters or other program providers that contain program content advisories. When programmed by the viewer, the TV can respond to the content advisories and block program content that may be found objectionable.
AutoLock allows parents to block out or "censor" any channels they think children should not watch. A channel blocked cannot be viewed until a correct access code is used to unlock the channel for viewing.

1 Press the **MENU** button.

2 With the cursor, select **Features**, then **AutoLock**.

3 Press the cursor right to enter the AutoLock menu.

4 You are asked to enter your Access Code.
• Press 0,7,1,1 on the remote control. **Incorrect** will appear on the screen.
• Press 0,7,1,1 on the remote control again. **New Code** will appear on the screen.
• Enter a new 4-digit code using the number buttons. **Confirm Code** will appear on the screen.
• Enter your new 4-digit code again. **Confirmed** will flash on the screen briefly and the highlight bar goes back to Block Channel.

Important: you have forgotten your Access code

Remember that 0,7,1,1 is the default AutoLock™code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

AutoLock features

Block channel

Select the TV channel you want to block. Press the cursor right to block the channel.
Repeat for any channels you want to block from viewing.

Lock HD

To block the devices connected to **AV3**.

Change Code

To change your block Access Code. Enter your current access code or the overriding code 0,7,11 and enter a new personal access code. The previous code is erased and the new code is stored.

Clear all

To unblock all blocked channels and programming until the TV is shut off. When powered back on, all previously blocked channels will be blocked again.

Block all

To block all channels and programming at once. In the **OFF** mode, you go back to the individual blocked channels.

Movie rating

Allows you to control access to individual movies bases on their MPAA ratings (Motion Picture association of America).
Select a movie rating and press the cursor right to turn the rating **ON** or **OFF**.
*Note: When a rating is turned **ON**, all higher ratings also will be turned on automatically. All Movie ratings can be turned on or off.*

G	movies with a mild content, suitable for all ages
PG	movies for which parental guidance is recommended. They may contain a few racy or violent scenes or maybe some bad language
PG-13	movies for which parental guidance may be recommended if under age 13
R	restricted. The movies usually contain offensive sex or bad language and may be unsuitable for children under the age of 17. Parental guidance or permission needed.
NC-17	even with parental permission, forbidden under age 17. More offensive sex, violence or bad language.
X	movies which generally focus on sex, violence and/or bad language. Also known as pornography.

TV rating

Allows you to toggle individual TV Ratings.

Select an age-based TV rating with the cursor up/down, and enter, if present, the list with content-based ratings with the cursor right, and select one content-based rating.

When **Block all** has been selected, all items in the contents-based list are blocked.

Press the cursor right again to turn the block on the rating **ON** or **OFF**.

Note: When a rating is turned on, all higher ratings also will be turned on automatically.

| Age-based Rating	Content-based Rating
No rating	on/off
TV-Y	on/off
TV-Y7	Block all
	(FV) Fantasy Violence
TV-G	on/off
TV-PG	Block all
	(D) Dialog
	(L) Language
	(S) Sex
	(V) Violence
TV-14	Block all
	(D) Dialog
	(L) Language
	(S) Sex
	(V) Violence
TV-MA	Block all
	(L) Language
	(S) Sex
	(V) Violence

TV-Y appropriate for children of all ages with themes and elements suitable for children aged 2-6

TV-Y7 programs designed for children age 7 and older

TV-Y7-FV programs include fantasy violence more intense than other programs in the TV-Y7 category

TV-G programs suitable for all ages. These programs contain little or no violence, no strong language and little or no sexual dialogue or situations

TV-PG programs contain elements that some parents may find unsuitable for younger children and which may need parental guidance.
The program may contain moderate violence, sexual dialogue and/or situations and some strong language.

TV-14 programs contain elements that may not be suitable for children under 14 years of age. These programs include one or more of the following: intense violence, intense sexual situations, suggestive dialogue and strong language.

TV-MA programs are designed to be viewed by adults and may be unsuitable for children under the age of 17. These programs may contain graphic violence, explicit sexual activity and/or crude or indecent language.

Block options

There are 3 block options:

• **Unrated:**
When Block Options Unrated is set to **ON**, movie and TV programs with a rating of **None** are blocked. Sports, News and Weather forecast programs are categorized as None rating programs.

• **No Rating:**
All programming with no content advisory data can be blocked if **No Rating** is set to **ON**. Any programming could fall into this category.

• **Blocking**
The blocking control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated.
When the blocking control is **OFF**, the blocking or censoring of programs is disabled. When the blocking control is **ON**, blocking will occur according to the settings you have chosen.

Closed Captions
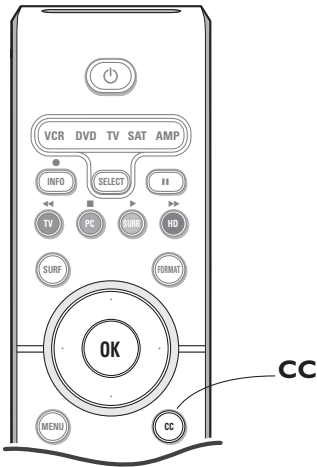
Closed Captioning allows you to read the voice content of television programs on the TV screen assuming that the service is available in the broadcast. Designed to help the hearing impaired, this feature uses on-screen 'text boxes' to show dialogue and conversations while the TV program is in progress. Captions will appear on the screen during captioned broadcasts.

CC

➊ Press the **CC** button repeatedly to select **Off**, **CC-1**, **CC-2** or **CC-MUTE**.
When **Off** is selected, the TV will not display Closed Captions information;
When **CC-MUTE** is selected the TV will automatically display **CC-1** when the mute function is active. When the mute function is not active, the TV will not display Closed Captions information.
Usually **CC-1** is the most used, **CC-2** may be used for alternated languages if they are being transmitted, Dialogue (and descriptions) for the action on the captioned TV programs shown on screen.

Note: The captions do not always use correct spelling and grammar. Not all TV programs and product commercials are made for broadcast with Closed Caption information included. Refer to your area's TV program listings for the TV channels and times of Closed Caption shows. The captioned programs are usually noted in the TV listings with service marks such as 'CC'.

This television provides display of television closed captioning conforming with the EIA-608 standard and in accordance with Sections 15.119 of the FCC rules.

PIP (Picture in Picture)

The Picture In Picture feature allows you to call up a smaller second window within your main screen enabling you to watch a TV channel and a picture from a digital device connected to **HDMI (AV3)** (Digital High Definition device), at the same time.

➊ Press the **MENU** button.

➋ With the cursor, select **Features**, then **PIP**.

➌ Press the cursor right to select the available PIP sizes: **Off**, **Small**, **Medium**, **Large** or **Side-by-side**.

When having selected a size, and a device is connected to **HDMI (AV3)** and switched on, the PIP window automatically appears. Press the **P-** or **P+** button or the digit buttons to select other TV channels or to display the **HDMI (AV3)** device window in the main screen.

➍ Select **Horizontal** or **Vertical** to move the PIP window to another corner of the main screen.

PIP Combinations:

Mode:	TV	HD	PC
Main screen	TV	HDMI	VGA
PIP screen	HDMI	TV/A-HD/VGA	HDMI

Using in PC monitor mode

Your TV can be used as a computer monitor.
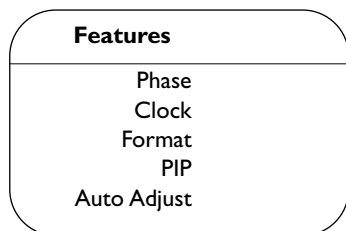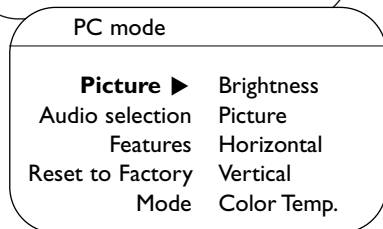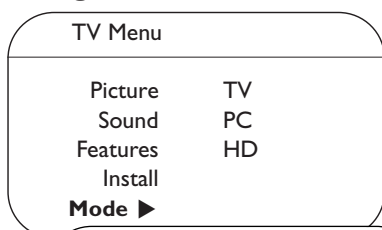You must first of all connect the computer and adjust the resolution (see p. 8).

Choosing PC mode

Press the **PC** button on the remote control to switch the TV to PC mode.
Press the **TV** button to return to TV mode.
If there is no PC signal for more than five seconds, the TV automatically goes into standby mode.

Using the PC menus

```
TV Menu

  Picture      TV
  Sound        PC
  Features     HD
  Install
  Mode ▶
```

```
  PC mode

    Picture ▶   Brightness
Audio selection  Picture
     Features    Horizontal
Reset to Factory Vertical
        Mode    Color Temp.
```

```
     Features

      Phase
      Clock
      Format
        PIP
    Auto Adjust
```

Press the **MENU** button to access the specific settings of the PC monitor mode. Use the cursor buttons to adjust them (the settings are automatically saved).

Picture

- **Brightness/Picture**: to adjust the brightness and contrast.
- **Horizontal/Vertical**: to adjust the horizontal and vertical placing of the image.
- **Color Temperature**: to adjust the colors (cool, normal or warm).

Audio selection

To choose the sound reproduced on the TV (**PC/HD** or **TV**).
Note:
- You must choose TV mode before going to TV/HD mode.
- To listen to the sound from a HD device in PC mode, take care you also connected the audio cables to the HD device.

Features

- **Phase/Clock**: eliminates the horizontal (**Phase**) and vertical (**Clock**) interfering lines.
- **Format**: to choose between large screen (**Fullscreen**) or the original (**Native**) format of the PC screens.
- **PIP**: change the Size and Position of the PIP window on the screen when the **PIP** button is used.
- **Auto adjust**: Position is set automatically.

Reset to Factory

To return to the factory settings

Mode

To come back to TV mode.

Record with your recorder

To record S-VHS quality, connect an S-VHS peripheral directly to the recorder.

Record a TV program

You can record a TV program using your recorders tuner without affecting your TV.

❶ Select the channel number on your recorder.

❷ Set your recorder to record.
See the handbook for your recorder.

Switching channel numbers on your TV does not disturb recording !

Record a recorder from MONITOR OUT

You can record a program on your recorder from the TV tuner via **MONITOR OUT**.

❶ Switch on the device.

❷ Select the correct channel on your TV and the correct input on your recorder.

❸ Set your recorder to record.
You record the tuner channel of the TV, even when you switch to an AV input using the **AV+** button on the remote control.

*Do not switch channels or turn off your TV when you are recording through **MONITOR OUT**.*

Note: When a TV channel or AV source is blocked because of a rating set via the Channels menu (see p. 12), also the record output picture and sound are muted.

Regulatory Notices - Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and the receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio or television technician for help.

Modifications -
The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Philips Consumer Electronics may void the user's authority to operate the equipment.

Cables -
Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canadian notice -
This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien -
Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Before Calling Service

Symptoms	Items to Check and Actions to follow
"Ghost" or double images	• This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.
No power	• Check that the TV's AC power cord is plugged into the mains socket. • Unplug the television, wait for 60 seconds. The re-insert plug into the mains socket and turn on the television again.
No picture	• Check antenna connections at the bottom of the TV to see if it properly connected to the TV. • Possible broadcast station trouble. Try another channel. • Adjust the contrast and brightness settings. Try another auto picture setting. • Check the Closed Captions control. Some TEXT modes could block the screen. • Switch your HDMI-source to a correct display mode.
No picture and power switched on	• Your TV has a protective mode in case there is too much heat build-up. Check the clearance around the vents of the device to be certain there are no blocking walls or cabinets which would limit the air flow.
No sound	• Increase the VOLUME. • Check that the TV is not muted, press the 🔇 button on the remote control. • When no signal is detected, the TV automatically switches off the sound. This is proper operation and does not indicate a malfunction.
Good sound but poor color or no picture	• Adjust the contrast, color, tint and brightness setting. Try another auto picture setting.
Poor picture	• Check the HDMI connection.
Snowish picture and noise	• Check the antenna connection.
Television not responding to remote control	• Check whether the batteries are working. Replace if necessary. • Clean the remote control sensor lens on the TV. • Operating range between TV and the remote control should not be > 240". • You can still use the buttons on the top side of your TV. • Check if the remote control is in the correct mode.
Control of accessory devices	• The infrared signals of the screen may influence the reception sensibility of other peripherals. Solution: replace the batteries of the remote control of other devices. E.g. keep away a wireless headphone from within a radius of 50".
No stable or not synchronized VGA picture	Check if you have selected the correct VGA mode in your PC.

Power	Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution. Power consumption: 2 W.

Miscellaneous	• Ambient temperature: +5~ +40°C
	• Mains: 50/60 Hz - Auto voltage ranging from 96 to 140V.
	• Power consumption: around 160W
	• Standby consumption: < 2 W
	• Weight (excl. packaging): 30PF9946: 40 Lbs; 37PF9946: 66 Lbs; 42PF9946: 92 Lbs
	• Dimensions (wxhxd):
	  30PF9946: 895 x 490 x 110
	  37PF9946: 1130 x 600 x 85
	  42PF9946: 1215 x 660 x 90

If your problem is not solved

Turn your TV off and then on again once.

Never attempt to repair a defective TV yourself.

Check with your dealer or call a TV technician.

Telephone number Philips Customer Care Center: 1-888-PHILIPS (744-5477)

Tips

How to dispose of batteries?

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many areas batteries may not be disposed of with your household waste. Please ensure you dispose of batteries according to local regulations.

Warning concerning stationary images on the TV screen

A characteristic of Plasma Display Panels is that displaying the same image for a long time can cause a permanent after-image to remain on the screen. This is called phosphor burn in.
Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen.

Examples of stationary images (this is not an all-inclusive list, you may encounter others in your viewing):
• **TV menus**;
• **Black bars**: when black bars appear at the left and right side of the screen, it is recommended to change to a picture format so that the picture fills the entire screen;
• **TV channel logo**: present a problem if they are bright and stationary. Moving or low-contrast graphics are less likely to cause uneven aging of the screen;
• **Stock market stickers**: presented at the bottom of the TV screen;
• **Shopping channel logos and pricing displays**: bright and shown constantly or repeatedly in the same location on the TV screen.
Examples of still pictures also include logos, computer images, time display, teletext and images displayed in 4:3 mode, static images or characters, etc.

Notes:
- reduce contrast and brightness when viewing
- once burn-in occurs it will never disappear completely.

LIMITED WARRANTY

One Year Free Labor

One Year Free Service on Parts

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For one year thereafter, all parts will be repaired or replaced and labor is free. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP ...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product. Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE....

Repair must be performed by an authorized service center or a factory service center. If you do not live near a factory service center, contact your dealer. If your dealer is an authorized service center, he will arrange repair. If your dealer is not an authorized service center he will direct you to the authorized service center engaged by him to service the products he sells.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

IF YOU HAVE QUESTIONS IN CANADA

Please contact Philips at:
1-800-661-6162 (French speaking)
1-800-363-7278 (English speaking)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL #

SERIAL #

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 671539, Marietta, GA 30006-0026, 1-888-PHILIPS (744-5477)